

PATENT SPECIFICATION

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- (21) Application No. 33710/75 (22) Filed 13 Aug. 1975
 (31) Convention Application No. 7429212
 (32) Filed 29 Aug. 1974 in
 (33) Federal Republic of Germany (DT)
 (44) Complete Specification published 4 May 1977
 (51) INT CL² A47G 27/00
 (52) Index at acceptance
 A4S 1F 1M 1N



(54) RUG PAD

(71) I, WALTER BINDER, a German citizen, of Bahnhofstraße 23, Holzgerlingen, (Baden-Württemberg), Germany, personally responsible partner of the firm GOTTLIEB BINDER, of Holzgerlingen, Germany, do hereby declare the invention, for which I pray that a patent may be granted to me, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention relates to a rug pad of the type comprising sheeting with bristles protruding from at least one face. Conventional rug pads of this type have the bristles projecting in the vertical direction from the sheeting to prevent the rug from slipping, and the rug pad can either be attached to the lower face of a rug, for example by an adhesive, so that the rug can engage a textile floor covering by means of the bristles of the rug pad and thus be prevented from slipping. Also the rug pad can be fixed to a smooth floor of wood or stone, with the bristles extending upward, e.g. it can be pasted thereon, so that a rug which is placed on the rug pad cannot slip on the smooth floor.

Nevertheless, experience has shown that known rug pads of this type are not a sure means of preventing slipping of a rug.

It is a purpose of the invention to reduce this disadvantage by providing a rug pad with projecting bristles which largely prevents slipping of a rug.

According to this invention a rug pad comprises sheeting with bristles protruding from one face, wherein the bristles are inclined in one direction with respect to the said face of the sheeting which is of textile material with the bristles formed by end portions of thermoplastic fibre pieces incorporated into the material. Two strips of rug pad can be positioned such that each strip co-operates with the opposite edge or half of the rug to prevent slipping of the rug in the direction of the opposite edge. The preventive action is due to the inclined bristles acting like barbs, which action starts from the adjacent edge of the rug and

extends toward its middle. The rug is thus prevented from moving by the associated rug pad. It is possible to provide all four edges of a rectangular rug with corresponding rug pads, thus preventing movement of the rug in any direction. An adhesive layer covered by a removable protective sheet may be provided on the other face of the sheeting. The rug pad may also have bristles on both faces, the bristles being inclined in opposite directions toward opposite ends of the sheeting. This then provides a rug pad which enables a rug to be secured to carpeting without having the carpeting or the rug impaired by adhesive mounting of the rug pad.

The invention will now be described by way of example, with reference to the drawing, in which:—

Figure 1 is an enlarged section of one embodiment of a rug pad;

Figure 2 is a cut away side elevation of a rug with rug pads attached to its lower face at opposite edges;

Figure 3 is a cross section through a smooth floor onto which two rug pad strips have been adhesively attached for the opposite edges of a rug; and

Fig. 4 is an enlarged section of another embodiment of a rug pad.

Referring to Figure 1, a rug pad comprises sheeting 10 provided on one side with bristles 12 inclined in one direction with respect to the top face 11 of the sheeting, and in this case inclined to the right, at an angle of substantially 45°. The other face of the rug pad has an adhesive layer 13 covered by a protective paper sheet 14.

The sheeting 10 is of a textile material, e.g. a woven or knitted fabric. It is advantageous if the sheeting is a knitted fabric, because it can then be manufactured relatively inexpensively. The bristles 12, inclined in one direction, are formed by the protruding ends of thermoplastic fibre pieces incorporated into the textile material, namely knitted into it or woven into it.

As seen in Figure 2, the rug pad of Figure 100

1 with its adhesive layer 13, may be affixed to each opposite edge of the lower face 15 of a rug 16, after removing the protective sheet 14, so that the bristles 12 of the rug pad at each edge are inclined towards the other edge. If such rug is now placed on carpet, e.g. wall-to-wall carpeting, then the rug pad along one edge of the rug prevents the rug from being pulled in the direction of the other edge of the rug. By positioning the rug pad at two opposite edges, slipping of the rug is prevented in both directions by the engagement of the bristles. Correspondingly, rug pads can also be attached to all four edges of a rug. On the other hand, the rug pad can also extend across each half of the lower face of a rug.

Figure 3 illustrates a further application of the rug pad. Here two strips of rug pad are attached by their rear faces and parallel to each other on a smooth floor 17 by means of the adhesive layer 13 such that the bristles project upwardly away from the respective other strip. Both strips of the rug pad are attached to the smooth floor 17 at a distance from each other, such that they can just be covered by two opposite edges of a rug. If a rug is now placed on the floor such that its two opposite edges cover the rug pad strips, then the bristles 12 engage the rug in the manner of barbs, so that one rug pad prevents slipping of the rug towards the other rug pad.

Referring to Figure 4, two rug pads as illustrated in Figure 1 are adhesively attached to each other by their adhesive layers 13 on their rear faces, so that a two-layer rug pad is formed having the bristles 12 of one side inclined towards one end (in Figure 4 the bristles of the upper face incline towards the right), and the bristles 12 of the other face inclined towards the other end of the sheeting (in Fig. 4 the lower bristles incline towards the left). This embodiment can prevent a rug from slipping on textile or carpet flooring, without having to attach the rug pad to the floor itself or to the rug, and it is merely necessary to arrange the rug pad of Figure 4 between the right edge of the rug and the

flooring beneath it. If the opposite left edge of the rug is provided with a rug pad having bristles inclined in the opposite direction, then the same effect is achieved as described above for rug pads adhesively attached to the rug or to the floor.

The embodiment of Figure 4 is made up of two rug pads as shown in Figure 1, but the rug pad can also be made so that a single piece of sheeting 10 has bristles on both sides arranged in the manner illustrated in Figure 4.

WHAT I CLAIM IS:—

1. A rug pad comprising sheeting with bristles protruding from one face, wherein the bristles are inclined in one direction with respect to the said face of the sheeting which is of textile material with the bristles formed by end portions of thermoplastic fibre pieces incorporated into the material.

2. A rug pad according to claim 1, wherein the sheeting is a knitted fabric, the fibre pieces being incorporated into the fabric by knitting.

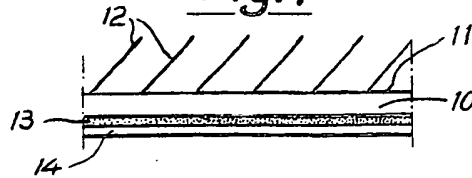
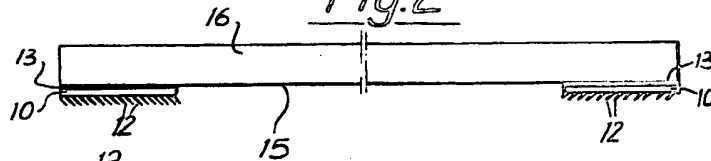
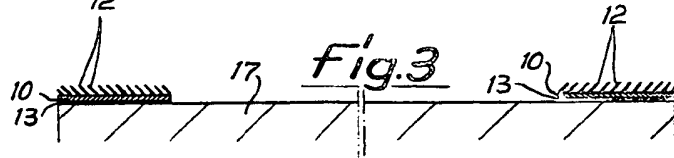
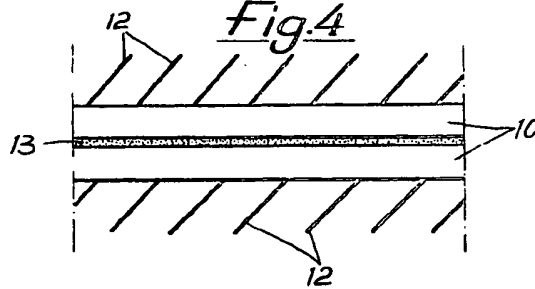
3. A rug pad according to claim 1 or claim 2, wherein an adhesive layer covered by a removable protective sheet is provided on the other face of the sheeting.

4. A rug pad according to claim 1 or claim 2, wherein both faces of the sheeting are provided with bristles, the bristles on one face being inclined in the said one direction and the bristles of the other face being inclined in the opposite direction.

5. A rug pad according to claim 4, wherein the sheeting is constituted by two sheeting parts each provided on only one face with bristles, the parts being adhesively attached by their respective bristle-free faces.

6. A rug substantially as herein described with reference to Figure 1 or Figure 2 of the drawing.

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Fig. 1*Fig. 2**Fig. 3**Fig. 4*

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